

Abstract

An elevating platform system (1) which can be fixed to vehicles, comprising a platform (2) and a parallelogram shaped lifting gear consisting of two horizontally spaced carrier arms (3,4) for bearing said platform (2), a parallel cylinder (10) for swiveling the platform (2) from a vertical travel position into a horizontal working position and vice-versa, in addition to a lifting cylinder (7) used to lift and lower the platform (2) in the working position thereof. The lifting cylinder (7) engages with a lifting cylinder lever (6) which can be rotated about the pivoting axis (5) of the carrier arms (2,3) and forms a triangle of forces therewith. The first carrier arm (3) is elastically and movingly coupled to the lifting cylinder lever (6) in the direction of lifting and the second carrier arm (4) is connected to the lifting cylinder lever (6) by means of a torsion profile (9). According to the invention, the elastic movement coupling is formed by a spring unit (8) which is supported on the first carrier arm (3) and on the lifting cylinder lever (6).